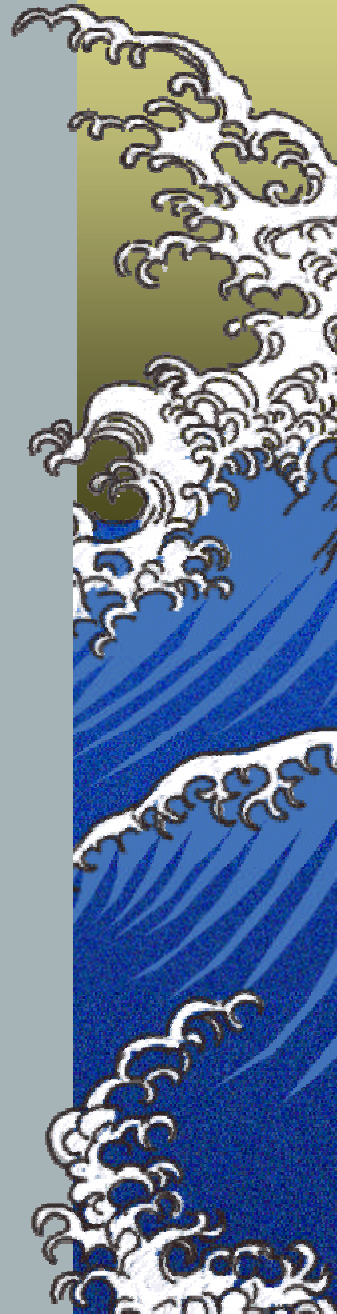


Understanding of Groundwater Flow

- ★ *Area Contributing Groundwater to
Malibu Creek and Lagoon*
- ★ *Area Contributing Groundwater to
Surfzone*
- ★ *Aquifer Characteristics*
 - ★ *Breached vs Unbreached*
 - ★ *Time of Travel*



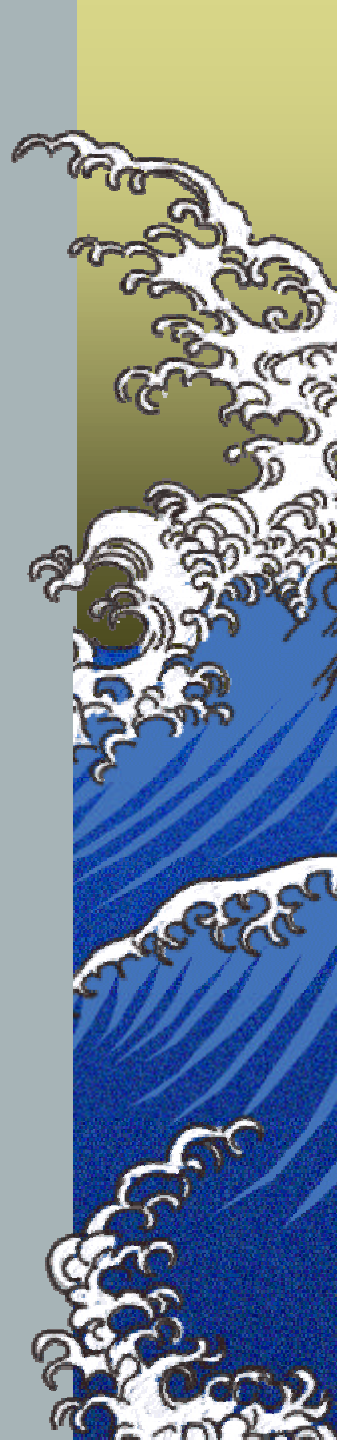
Understanding of Groundwater Quality Processes

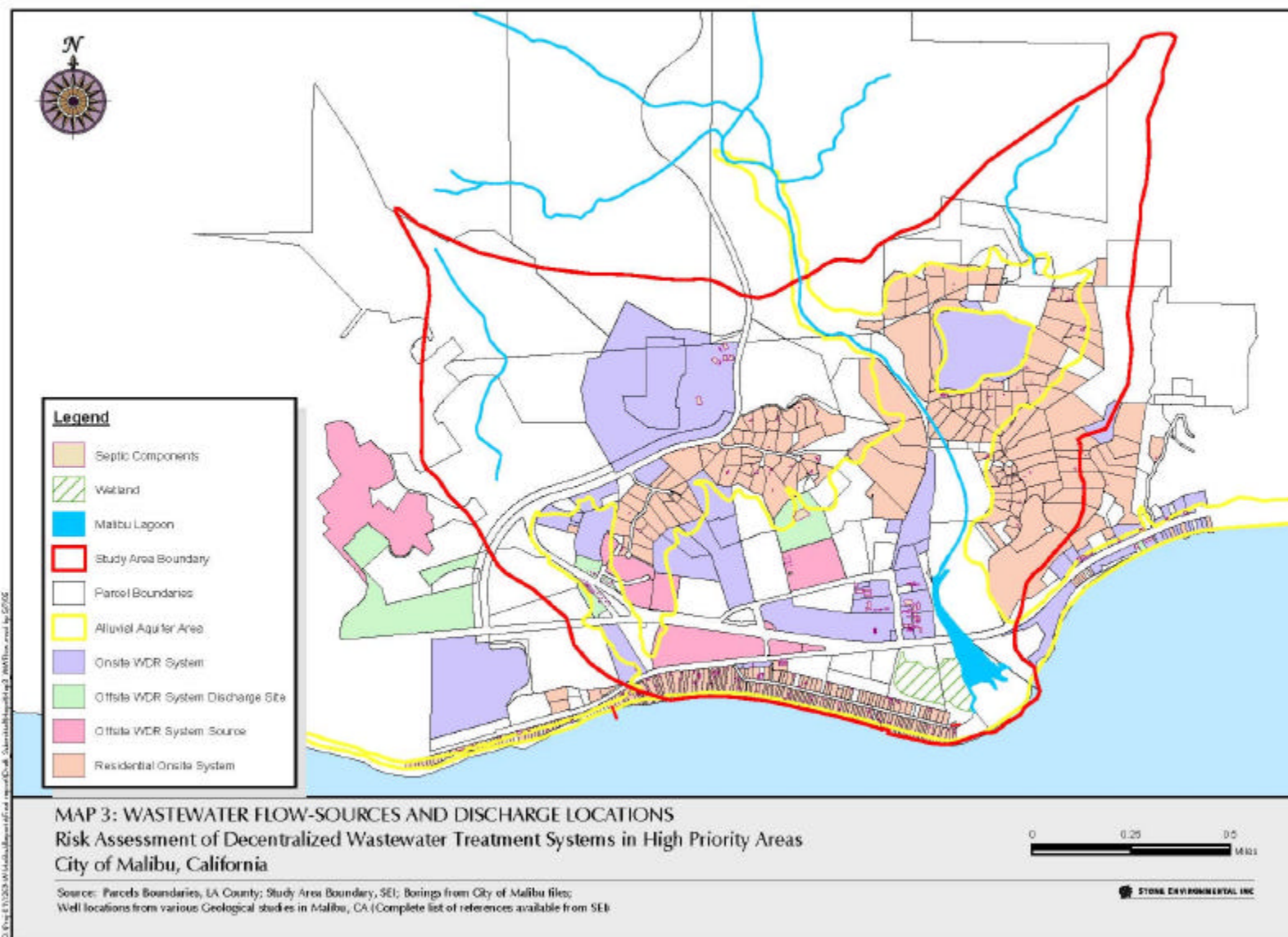
★ *Nitrogen*

- ★ *Removal Occurs in Groundwater Flow System*

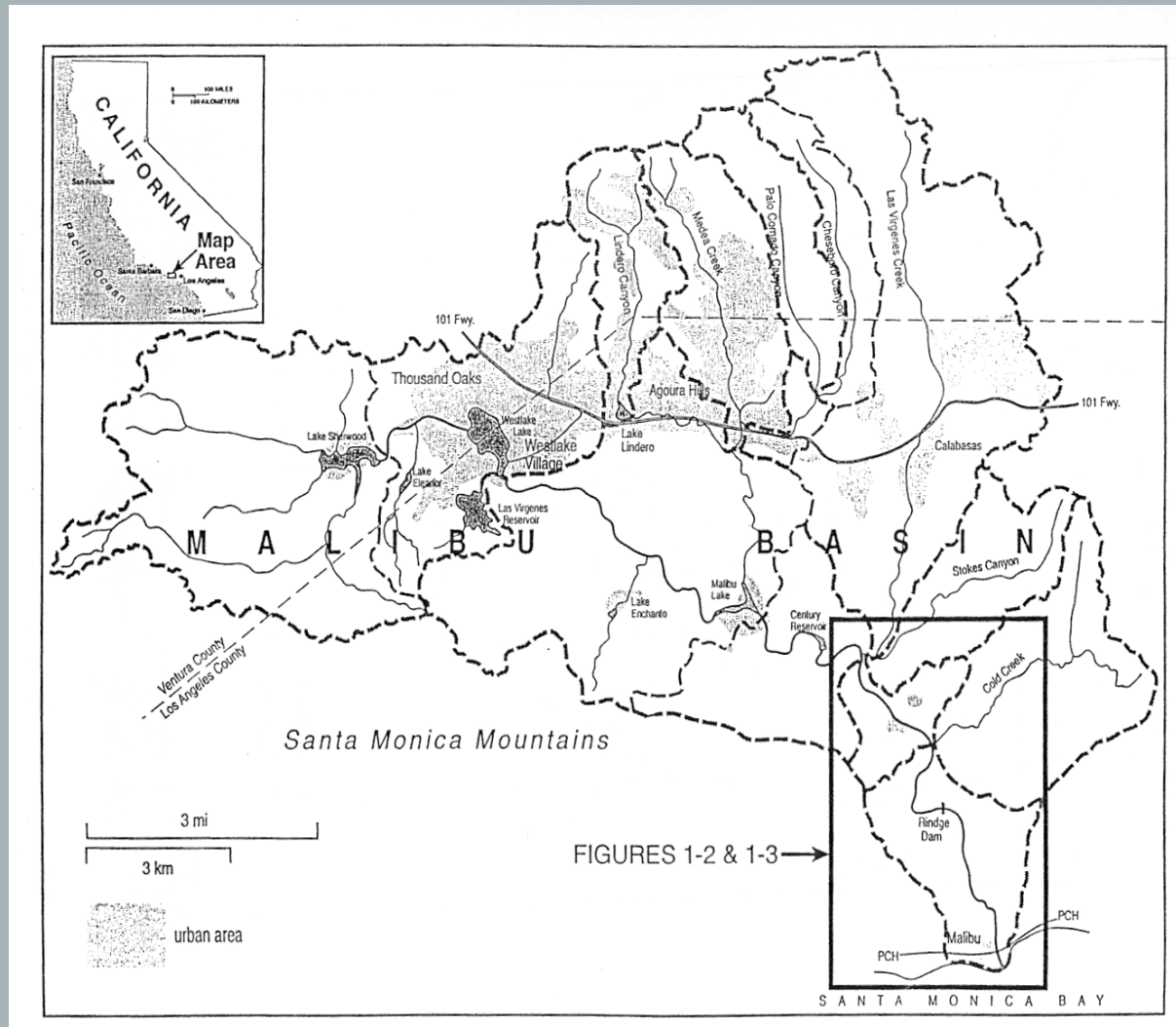
★ *Bacteria*

- ★ *Other Sources of Bacteria in Groundwater*
- ★ *Long Times of Travel Allow for Die-Off*

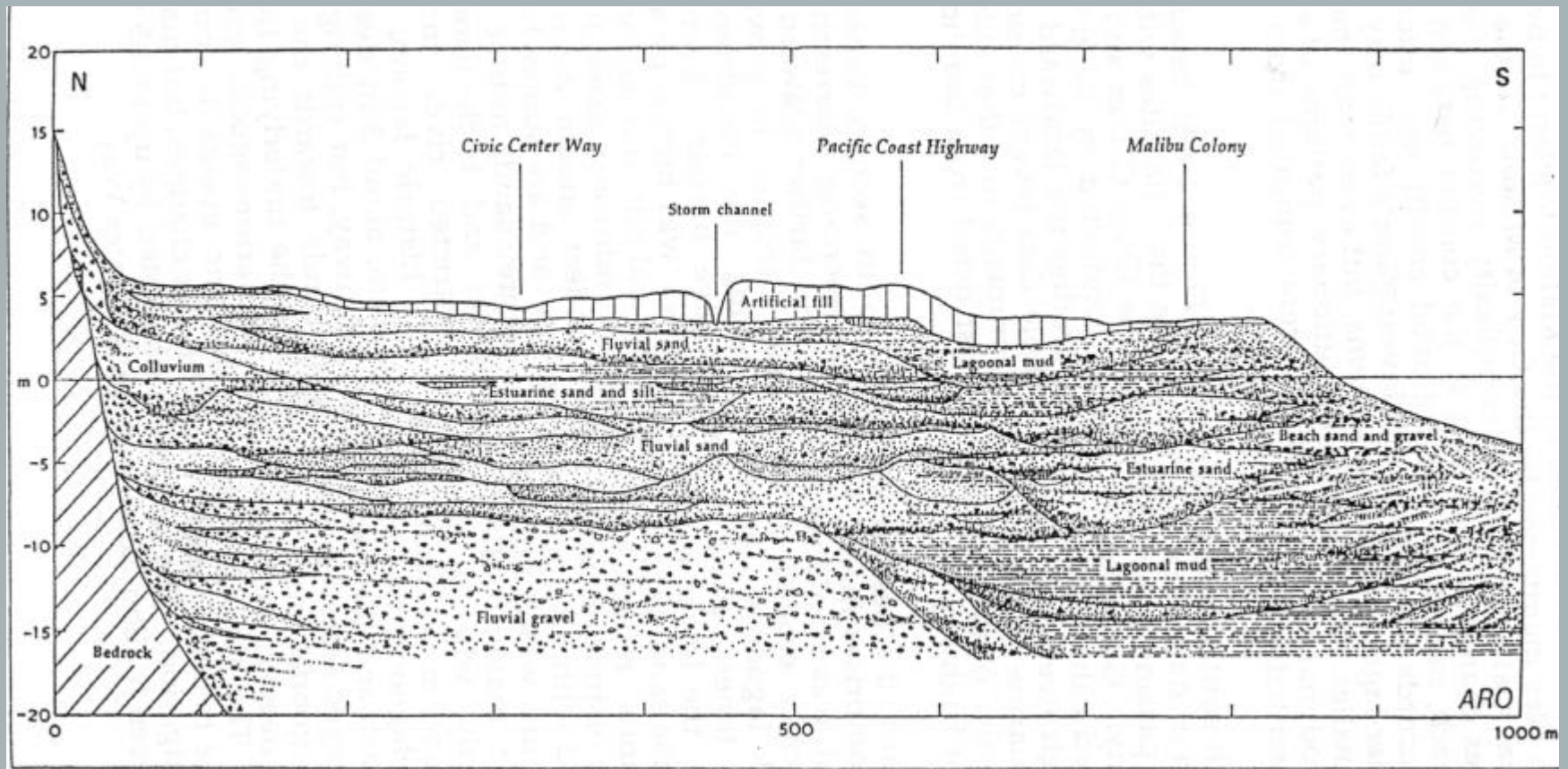




Contributing Area for Malibu Creek



Stratigraphy: North-South Section



Source: Ambrose and Orme, 2000